Dale Gass (B. Comm., M. Sc.)   **dale@gass.ca**   **866-951-5995**

Demonstrating a history of progressive product design, strong technical ability and early-stage, high-growth business experience.

Business Milestones

- Won [Ernst & Young Entrepreneur of the Year Award](#), Emerging Technologies (2000)
- Won *Halifax Chamber of Commerce*, Bronze Award, Best New Business (2000)
- *Atlantic Progress Magazine*, Top 50 CEO's (2000)
- Founded **PhotoPoint.com**
  - Top 100 Internet site, millions of photos served daily
  - Largest photo sharing site 1998-2001, millions of members
  - Developed all original (and patentable) technology
  - Licensed code to Intel ($1.7M CAD) and Epson (for Epson Photo Center)
  - Developed and integrated e-commerce infrastructure for prints, etc.
  - 75 employees in Halifax: development, tech, hosting, web, content
  - 25 employees in San Francisco: sales, marketing, P.R.
  - Secured $43M (CAD) investment from Softbank, USVP
  - Kept majority of jobs in Canada, despite US funding
  - Developed and maintained a highly scalable, world-class secure web server infrastructure with redundant connectivity, auxiliary power, in Halifax, NS
- Founded **IronSentry.com**:
  - Developed patented technology for seamlessly archiving, indexing, and searching one's email (in pre-Gmail days)
  - Secured $500K seed funding
  - Grew to six employees in Halifax
- Acted as expert witness for FBI in federal wire fraud case (resulting in a conviction)
- Taught required 3rd year Computing Science course, Dalhousie University
- Gave regular talks at InnovaCorp tech meetups
- Performed due diligence, troubleshooting for investment firm's portfolio companies
- Possess strong writing, presentation skills
- Experience developing business plans, financial models

Product Highlights

- MKS, Inc., Waterloo (8 years):
  - Team Leader, Architect for flagship product, *MKS Toolkit*
  - Developed *MKS Web Integrity* prototype
  - Developed *MKS Internet Anywhere* communication product
- IBM Toronto
  - Testing and ANSI standards compliance for IBM's C compiler
- Various contract work:
  - Ported legacy Windows application to a SAAS model
  - Installed multiple customized VOIP installations (including ProtoCase)
  - Ported commercial/military GPS product to handheld platform

Technical Highlights

- Won *Sun Microsystems Java Cup* Programming Contest:
  First place, Web/Internet category ($40,000 prize)
- Developed and licensed multi-tasking communications code for "*MKS Internet Anywhere*" product
- Published iPhone app in App Store
- Contributed code to secure *Qubes* operating system

Technical Skills

- Extensive understanding of microelectronics and microprocessors
  - Analog and digital electronics design
  - Reading and application of data sheets, specifications
  - Development of efficient, extremely low-power, low-cost devices
  - Development of drivers for various displays, peripherals
  - Familiar with various architectures: ARM, ATMega, AVR, Pic, x86, others
  - Comfortable working in a variety of languages for embedded systems (assembler, machine code, C, C++, lua, uPython, FORTH, …)
  - Experience with microcomputer protocols: UART, SPI, I2C/TWI, 1-Wire, ...
- In-depth experience with wide variety of programming languages, operating systems, databases, VM technologies, web serving and networking protocols, security methodologies, and encryption algorithms
- Low-level operating system abilities (e.g. device driver development)
- Skilled at optimization, debugging, troubleshooting, diagnostics
- Knowledge of AI, Neural Networks